

SWoF Scientific Workspaces of the Future



SwoF Goal

To develop virtual communities for
the fields of atmospheric sciences
and molecular biology using the
Access Grid infrastructure



Development

Shared Applications to enable the virtual communities to work together

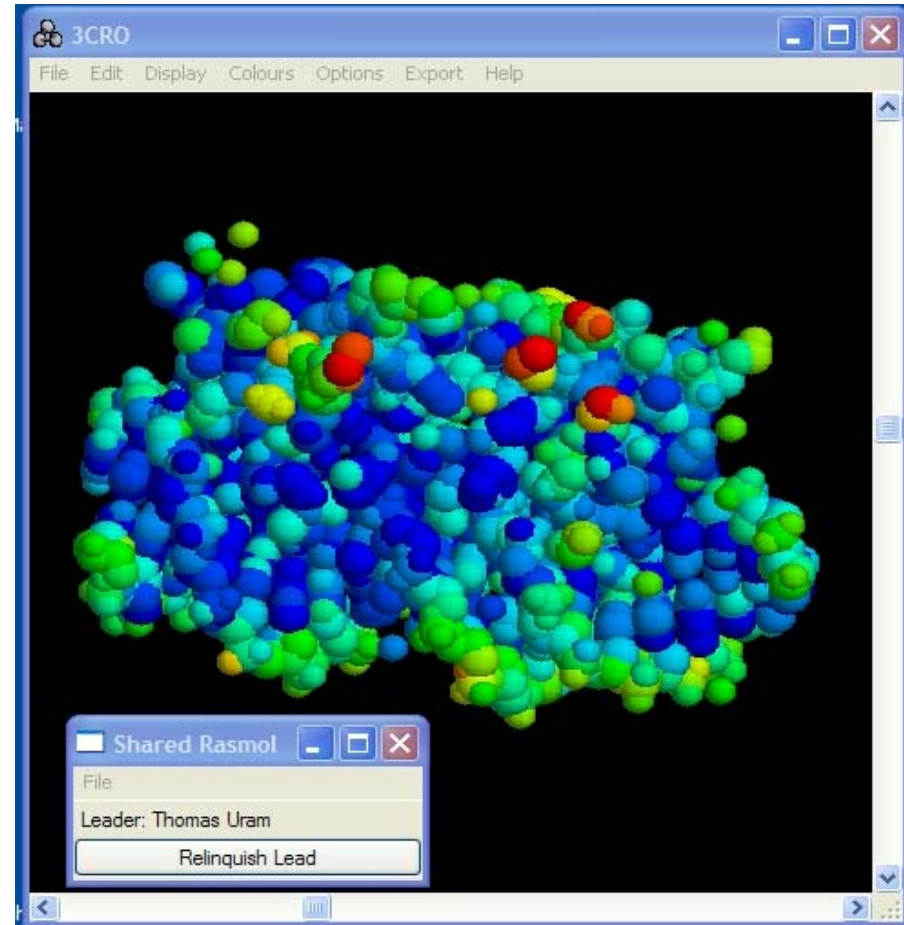
- Biology
 - Shared Rasmol
3D molecule viewer
- Atmospheric Sciences
 - Shared Image Viewer
 - Shared Movie Viewer



Shared Rasmol

(3D Molecule Viewer)

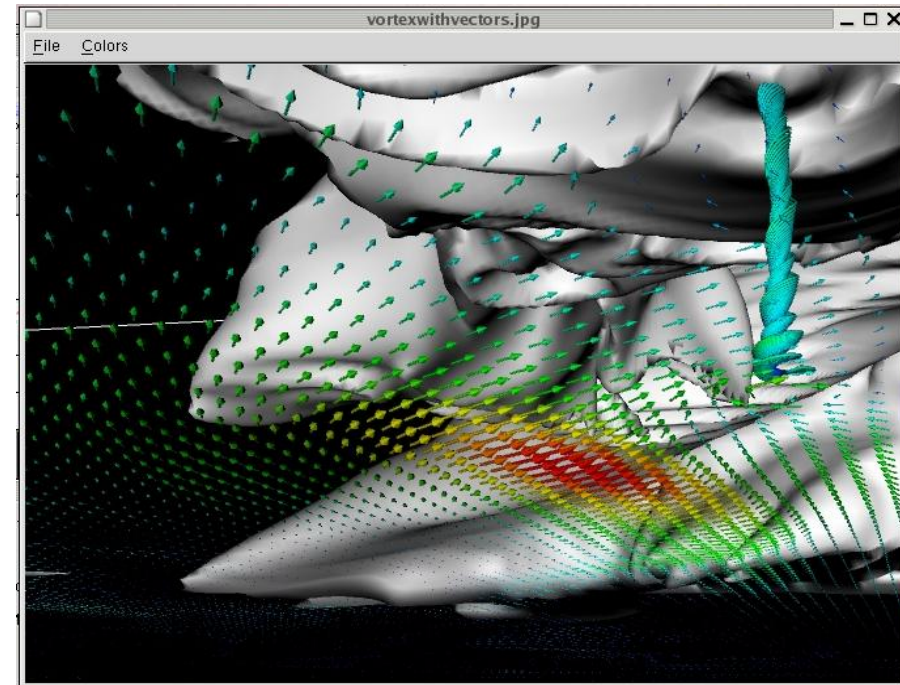
- Rotate molecule
- Change display parameters



$$S = (\omega)^0 f$$

Shared Image Viewer

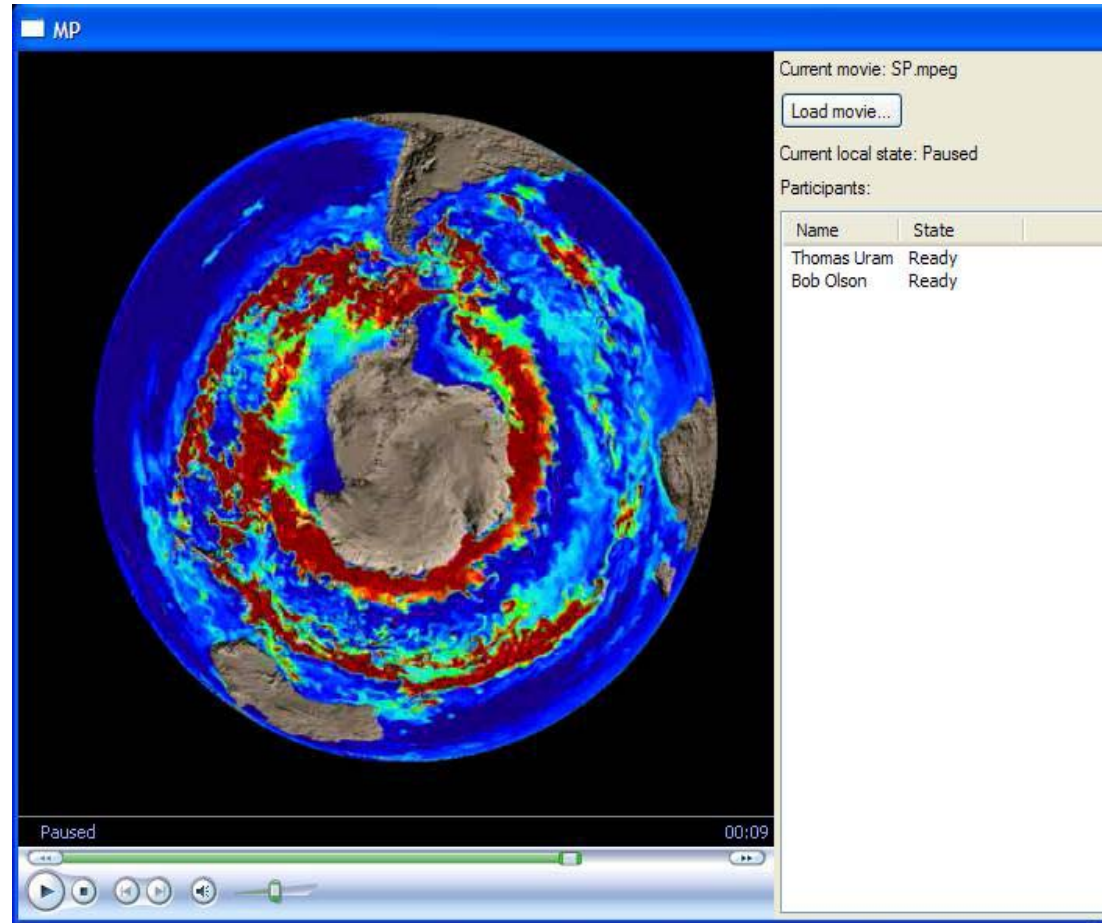
- View images collaboratively
 - Images can be local or in venue
- Markup images
- Application persists state
 - Late-entering users are brought into synch with current image and markup



$$S = (\omega)^0 f$$

Shared Movie Viewer

- View movies or animations in synch
 - Start, stop
- Uses COM interface to MS MediaPlayer
 - Plays anything MediaPlayer can play
- Shows participant information



$$S = (\omega)^0 f$$